

WHAT IS CLAIMED IS:

Sub A77
 1. An apparatus for strata relocation comprising:

- (a) a casing;
- (b) water inlet piping;
- (c) slurry outlet piping;
- (d) a rotatable, side-angled pipe outlet in communication with the water inlet piping;
- and
- (e) a support suitable for delivering the casing in a vicinity of the strata to be relocated.

2. The apparatus of claim 1, wherein the slurry outlet piping further comprises a screen positionable internally within or externally from a casing.

3. The apparatus of claim 1, further comprising a water pump.

4. The apparatus of claim 1, further comprising a slurry pump.

5. The apparatus of claim 1, comprising two casings, each essentially disposed at opposite ends of the apparatus.

6. The apparatus of claim 5, wherein water inlet piping is disposed through one casing only and slurry outlet piping is disposed through the other casing only.

7. The apparatus of claim 6, wherein the water inlet piping is in communication with a water pump.

8. The apparatus of claim 6, wherein the slurry outlet piping is in communication with a slurry pump.

9. The apparatus of claim 5, wherein water inlet piping and slurry outlet piping are disposed through each casing.

SUBA 10. The apparatus of claim 9, wherein the water inlet piping is in communication with a water pump.

5 11. The apparatus of claim 9, wherein the slurry outlet piping is in communication with a slurry pump.

12. The apparatus of claim 1, further comprising a water source for the water pump.

10 13. The apparatus of claim 12, wherein the water source is a body of water located above the strata to be relocated.

14. The apparatus of claim 12, wherein the water source is an external water source.

15 15. The apparatus of claim 1, further comprising a conduit for transferring relocated strata.

16. The apparatus of claim 15, wherein the conduit further comprises a sand sprinkler.

17. The apparatus of claim 4, wherein the slurry pump is a submersible pump.

20 18. A method for strata relocation comprising:

- (a) disposing a plurality of casings of the apparatus so as to be in communication with the strata for relocation;
- (b) introducing water to the strata through water inlet piping having a rotatable, side-angled pipe outlet to produce a slurry of strata for relocation;
- 25 (c) removing the slurry from the original location of the strata through slurry outlet piping; and
- (d) distributing the slurry to a location other than the original location of the strata.

30 19. The method of claim 18, wherein the distributing of the slurry comprises distribution using a sand sprinkler.

20. The method of claim 18, wherein the water is introduced through both casings and slurry is withdrawn through both casings.
21. The method of claim 18, wherein the water is introduced through one casing and slurry is withdrawn through the other casing.
22. The method of claim 18, wherein the water inlet piping and the slurry outlet piping is disposed through both casings.
23. The method of claim 18, wherein the water inlet piping is disposed through one casing and the slurry outlet piping is disposed through the other casing.
24. The method of claim 18, wherein the slurry is used to bury contaminated sediments to reduce health risks.
25. The method of claim 18, wherein the slurry is used to bury nutrient-enriched sediments to reduce aquatic plant regrowth.
26. The method of claim 24, wherein the sediments are contaminated with polychlorinated biphenyls.
27. The method of claim 24, wherein the sediments are contaminated with polyaromatic hydrocarbons.
28. The method of claim 24, wherein the sediments are contaminated with pesticides.

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